

**(June 26, 2000)**

**Random Board Finish**

The 20 millimeter random board finish for concrete surfaces specified in the Plans to receive such a finish shall be achieved with reusable wooden forms conforming to Section 6-02.3(17)J and the texture pattern shown in the Plans. ABS, plastic, or elastomeric form liners shall not be used.

The texture pattern shall be accomplished with 20 millimeter thick battens in varying widths applied to the surface of the forms. The edge of all battens shall be sloped 15 degrees to facilitate form removal.

The Contractor shall submit a concrete panel test section, with the 20 millimeter random board texture to be used, to the Engineer for approval. The test section shall be constructed using the forms and materials intended to construct the permanent structures. The test section shall be composed of two ten foot by ten foot form sections which shall be assembled to make a three meter by six meter concrete surface section, and shall include the wall top treatment, and one horizontal joint treatment. The Contractor shall not form any concrete elements specified to receive 20 millimeter random board finish until receiving the Engineer's approval of the test section.

All cracks, holes, slits, gaps, and apertures in forms shall be plugged and caulked with molding plaster to remain completely watertight and withstand the pressures of concrete placement. Joints between the form units shall be sealed with silicone or latex caulking compound. Butt joints may be sealed with non-absorptive sponge tape. Construction joints and expansion joints shall be incorporated into the pattern of the face treatment.

Forms and form ties shall be designed to permit removal without damaging the finish. Prying against the face of the concrete will not be allowed. After removing the forms, the Contractor shall treat the joint areas by patching or light sandblasting as required by the Engineer to ensure that the joints are not visible.

Storage of formwork and form materials shall be in a manner to prevent damage or distortion. Any damage to formwork during placing, removal, or storage shall be repaired by the Contractor as no additional expense to the Contracting Agency.

Form liners shall be cleaned, reconditioned, and repaired before each use. Form liners with repairs, patches, or defects which, in the opinion of the Engineer, would result in adverse effects to the concrete finish shall not be used.

Care shall be taken to ensure uniformity of color throughout the textured surface. A change in form release agent will not be allowed.

All surfaces with the 20 millimeter random board finish shall also receive a Class 2 surface finish. Form ties shall be a type that leaves a clean hole when removed. All spalls and form tie holes shall be filled as specified for a Class 2 surface finish.